	Application No.	Applicant(s)
		1
Notice of Allowability	09/515,285 Examiner	FUKUHISA ET AL. Art Unit
indude of Amorraning	Examiner	Artonic
	Tuan N Nguyen	2828
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>3/15/04</u> .		
2. The allowed claim(s) is/are <u>1-38</u> .		
3. The drawings filed on 29/2/02 re accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) □ Some* c) □ None of the: 1. Certified copies of the priority documents have 2. □ Certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date 	on's Patent Drawing Review (PTO-	948) attached
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 □ Notice of Informal F	Patent Application (PTO-152)
Notice of Netlerences Cited (P10-032) Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	., , , ,
_ , , ,	Paper No./Mail Da	te .
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date <u>3/15/04</u>	•	
4. Examiner's Comment Regarding Requirement for Deposit		ent of Reasons for Allowance
of Biological Material Don Wong	9.	
Supervisory Patent Examinar Technology Center 2800		

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REASON FOR ALLOWANCE

Allowable Subject Matter

1) The following is an examiner's statement of reasons for allowance - Applicant's RCE and IDS filed on March 15, 2004 has been considered, with respect to claims 1, 11, 12, 25, and 35 the references of the record fail to teach or suggest:

A semiconductor laser, comprising: an n-type cladding layer; an active layer formed on top of the n-type cladding layer; a p-type cladding base layer formed on top of the active layer and has p-type conductivity; a current-blocking layer formed on specified parts of an upper surface of the p-type cladding base layer and substantially has n-type conductivity, wherein the current blocking layer includes either Al_{0.5}In_{0.5}P or (Al_xGa_{1-x})_{0.5}In_{0.5}P, where 0.7<X<1; and p-type buried cladding layer that has p-type conductivity and is formed so as to cover the current-blocking layer and contact remaining parts of the upper surface of the p-type cladding base layer, wherein the current-blocking layer has at least two regions having different concentration (hereafter "N1" and "N2" where N1<N2) of n-type carriers, a region adjacent to an interface between p-type cladding base layer and p-type buried cladding having the N1 concentration of n-type carriers, and a part or all of the remain region of the current blocking layer having the N2 concentration, and the current-blocking layer having a lower refractive index than the cladding base layer and the buried cladding layer.

2) Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Communication Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The

examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 872-9306 for regular

communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 306-3329.

Tuan N. Nguyen

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Supervisory Patent Examine

Technology Center 2800